AGRI UPDATE
Information from the *KZN Department of Agriculture, Environmental Affairs & Rural Development*
2010/03

COMPLETING THE SAMPLE SUBMISSION FORM

Bright Mashiyana – Soil Fertility and Analytical Services

The soil fertility laboratory requires some information about the sample in order to register and analyze it, make proper recommendations, where requested, and send results to the owner. The sample submission form is used for that purpose.

On the top of the form complete the particulars of the owner and adviser (if an adviser is used). When the results are ready they are sent to both the owner and adviser. Please provide the contact numbers as well.

Fertilizer options

You have to highlight Y or N if you want or do not want the fertilizer recommendations. If this space is not highlighted, it is assumed that you do not need recommendations.

Sample ID

When completing this part, please make sure that you do not exceed the maximum of 10 characters. For every single sample, double-check that the name or number that is written as a sample ID on the form is exactly the same as the one on the sample box. Failure to do this results in delays in registering that sample and preparing it for analysis.

Crop Choices

At the back of the submission form there is a list of crops for which recommendations can be made. Next to each crop there is a number which is used as a code for that particular crop.

These codes are used to indicate the previous crop, as well as the intended crop. You can ask for recommendations for a maximum of three crops. These crop codes are entered into the fertilizer recommendation that generates the fertilizer recommendations. If additional recommendations are required, these can be requested at a later date.

Crop irrigated

It is essential to indicate whether the crop is irrigated or not. Irrigated land requires more nutrients, so the recommendations will be for more fertilizers.

Sample Depth

There are four sample depth codes, i.e. 1-4. Recommendations are given for topsoil (code 1) only. Indicate the sample depth, even if it is not the topsoil, because it is useful for quality control. Highlight whether the field is to be tilled or used for no-till.

Results

On receipt of your results, read comments on the front page of your results and management guidelines below each chosen crop. This information helps to understand the analysis of your soil.

Further Information

For more information on soil fertility or soil testing, contact Bright Mashiyana at Cedara.

Tel: 033 355-9455
033 355-9403

KZN Agriculture, Environmental Affairs and Rural Development

Sample Submission Form
SOIL FERTILITY ANALYSIS

Soil Fertility Laboratory
Private Bag X9059, Pietermaritzburg, 3200
Tel: 033 3559 515/455 Fax: 033 3559 454

Date:

Name OWNER	**Name ADVISER**
Address	**Address**
Postal code	**Postal code**
Telephone / **Fax**	**Telephone** / **Fax**
Email	**Email**

Fertilizer options? (Y / N) Nutrient recommendations are calculated to bags of fertilizer per hectare

BioClimatic Group

See back of form for crop codes

Sampling depth codes: (recommendations for topsoil samples only)
1. 0 - 150mm (topsoil) 2. 150 - 300mm
3. 300 - 450mm 4. >450mm

	Sample ID (Maximum of 10 characters)	Laboratory ID	Prior Crop code	Crop choices:- Maximum of three			Crop Irrigated (Y/N)	Sample depth code	No Till field (Y/N)	GPS Co-ordinates
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										

Crop codes to complete form on reverse side.
Please note that lime and fertilizer recommendations can be given for these crops only.

Crop	Est*	Maint	Crop	Est*	Maint
Apple	121	151	Macadamia	108	138
Asparagus	78		Maize grain (limited input options)	40	
Avocado	101	131	Maize silage	42	
Banana	102	132	Maize grain	41	
Beetroot	88		Mango	109	139
Brassica fodder crops	85		Melon	81	
Broccoli	67		Mint	76	
Brussels sprout	79		Onion	61	
Cabbage	63		Other tropical grasses (Teff, Rhodes, etc)	19	39
Carrot	70		Papaya	110	140
Cauliflower	80		Parsley	74	
Celery	64		Parsnip	89	
Citrus	103	133	Pea	90	
Clover (pure stand)	10	30	Peach	122	152
Cocksfoot	12	32	Pecan	111	141
Cocksfoot with clover	13	33	Pepper	66	
Coffee	104	134	Perennial ryegrass with clover	8	28
Cotton	46		Perennial ryegrass	7	27
Cucumber	82		Pineapple	112	
Cut Flowers	175	176	Potato	43	
Cynodon spp. (K11, Star, etc)	14	34	Proteaceae	173	174
Digitaria spp. (Smuts etc)	15	35	Pumpkin	68	
Dry bean	50		Radish	84	
Eggplant	69		Roses	171	172
Endive	77		Sorghum _ grain	53	
Eragrostis curvula	2	22	Soybean	47	
Fescue with clover	4	24	Spinach	75	
Fescue	3	23	Squash	83	
Fodder sorghum, babala, millet	16		Strawberry	71	
Granadilla	105	135	Sunflower	49	
Green bean	72		Sweet potato	54	
Groundnut	48		Temperate fodder cereals	9	29
Guava	106	136	Tomato	62	
Italian ryegrass with clover	6	26	Turnip	87	
Italian ryegrass	5	25	Wheat _ winter	45	
Jap. Radish	86		Youngberry	73	
Kikuyu	1	21			
Lettuce	65				
Litchi	107	137			
Lucerne	11	31			
Lupin	51				

BioClimatic Groups of KwaZulu-Natal Region:

1. Coast Lowlands
2. Coast Hinterland
3. ***Mist Belt***
4e. ***Highland Sourveld (moist)***
4f. ***Highland Sourveld (dry)***
5. Montane
6. ***Upland (moist)***
7. Riverine (Tugela)
8. ***Upland (drier)***
9. Lowland to Upland (Zululand)
10. Riverine + Interior Lowland
11. Arid Lowland

Cost per sample : R50

*Est: Establish- crop to be planted.
Maint: Maintenance- crop to be top dressed.